

WHAT IS CLAIMED IS:

1. A cooling apparatus for an engine, comprising:

a cooling circuit of the engine;

a tank body forming a heat storage tank that is mounted in a vehicle and that stores a cooling liquid let out from the engine via the cooling circuit and substantially maintains a temperature of the cooling liquid;

a housing which has an inlet passage that lets the cooling liquid flow into the tank body, and an outlet passage that lets the cooling liquid flow out from the tank body, and which is positioned at a lowermost end portion of the cooling circuit in a vertical direction; and

a drain port provided on the inlet passage for letting the cooling liquid out.

2. The cooling apparatus according to claim 1, wherein the drain port is connected to a lower end of the inlet passage in the vertical direction.

3. The cooling apparatus according to claim 1, further comprising a drain plug connected to the inlet passage for adjusting opening and closing of the drain port.

4. The cooling apparatus according to claim 1, wherein a drain piping is connected to the drain port.

5. The cooling apparatus according to claim 4, wherein the drain piping is formed by a hose.

6. The cooling apparatus according to claim 1,

wherein a channel between the heat storage tank and the engine which forms the cooling circuit is provided with a pump for delivering the cooling liquid to the heat storage tank, and

wherein the channel between the pump and the engine has such a slant that the channel becomes lower in the vertical direction with approach to the pump.

7. The cooling apparatus according to claim 1, wherein a portion of the inlet passage upstream of the drain port is disposed at a position that is lower than a position of the drain port in the vertical direction.

8. The cooling apparatus according to claim 7, wherein the portion of the inlet passage upstream of the drain port is adjacent to the drain port.
9. The cooling apparatus according to claim 7, wherein the portion of the inlet passage upstream of the drain port is disposed so that a liquid level of the cooling liquid in the portion of the inlet passage is lower than the drain port in the vertical direction.
10. The cooling apparatus according to claim 7, wherein the portion of the inlet passage upstream of the drain port is formed by a hose.
11. The cooling apparatus according to claim 7, wherein the drain port is connected to a lower end of the inlet passage in the vertical direction.
12. The cooling apparatus according to claim 7, further comprising a drain plug connected to the inlet passage for adjusting opening and closing of the drain port.
13. The cooling apparatus according to claim 7, further comprising a drain piping connected to the drain port.
14. The cooling apparatus according to claim 13, wherein the drain piping is formed by a hose.
15. The cooling apparatus according to claim 7,  
    wherein a channel between the heat storage tank and the engine which forms the cooling circuit is provided with a pump for delivering the cooling liquid to the heat storage tank, and  
    wherein the channel between the pump and the engine has such a slant that the channel becomes lower in the vertical direction with approach to the pump.